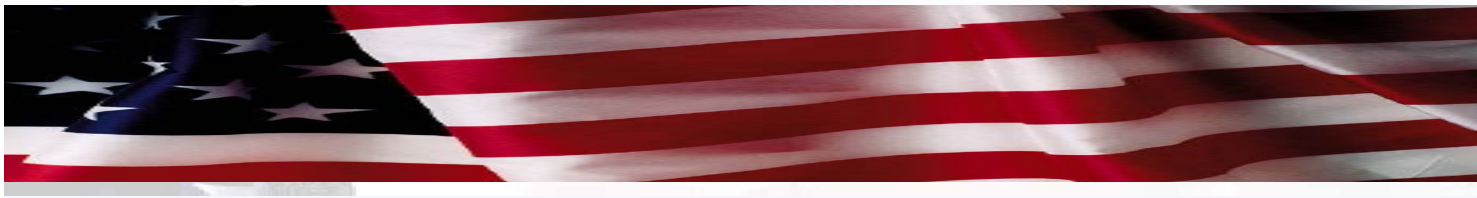


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# **North Dakota State Government: The Next Generation**

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**“The U.S. government has no more important mission than protecting the homeland from future terrorist attacks. Yet the country has never had a comprehensive and shared vision of how best to achieve this goal.”**

*--President Bush, The National Strategy for Homeland Security*



**It All Started On That Auspicious Day 23 Million Years Ago...**

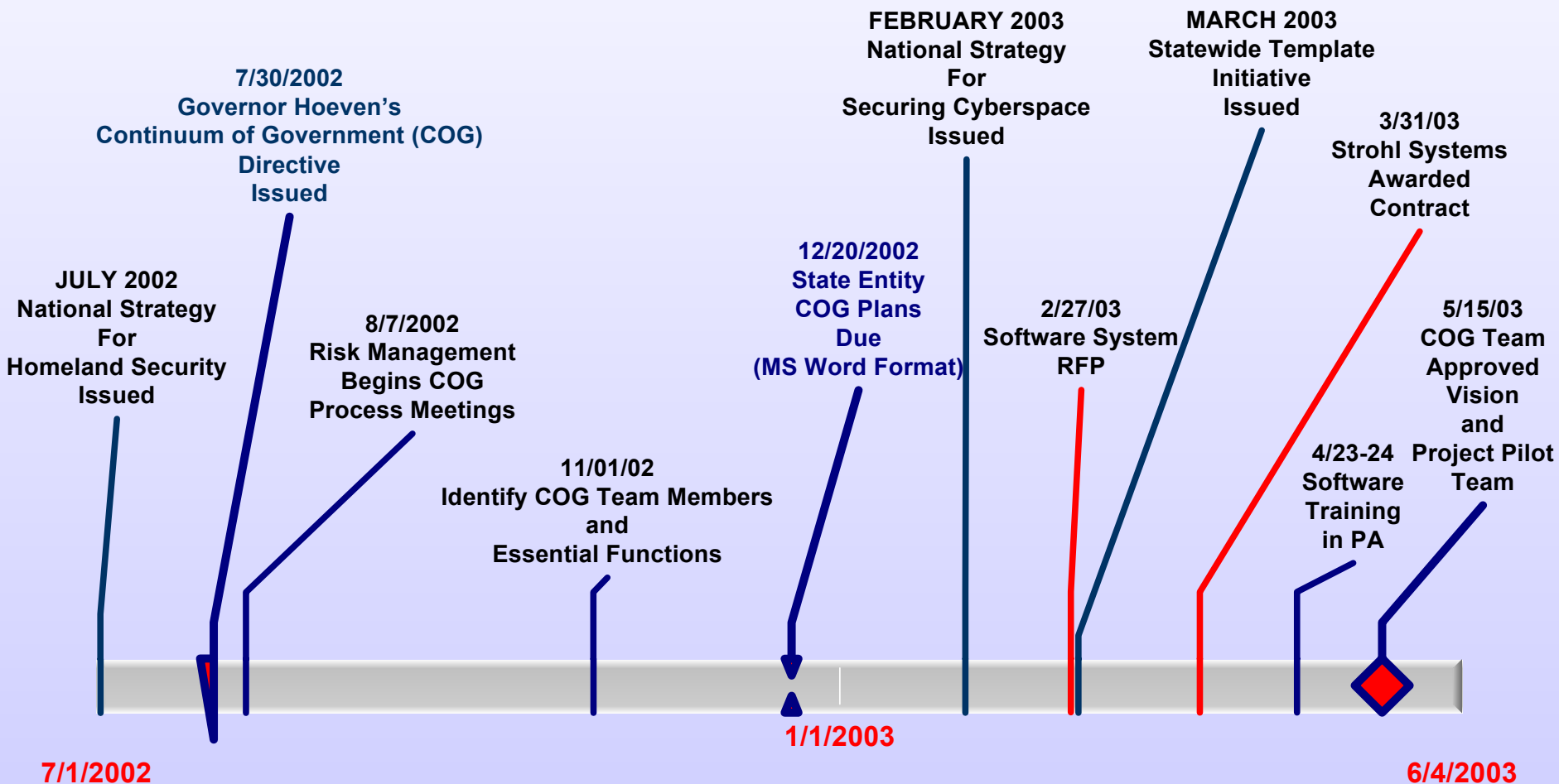
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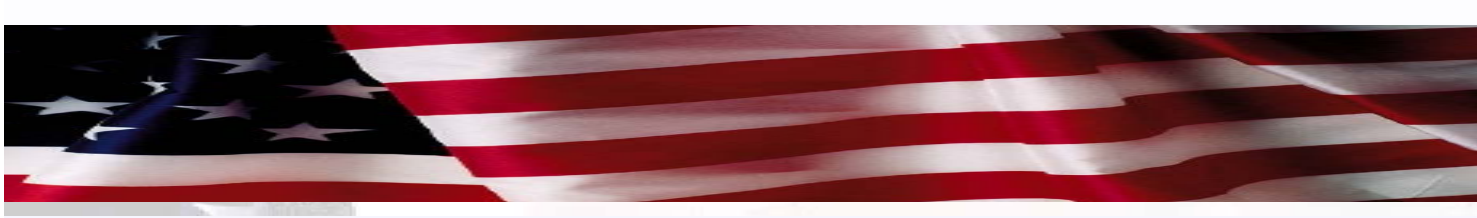






## ...And the Evolution Continues...





## Vision Statement

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In support of the National Strategy for Homeland Security, the state of North Dakota, through its *emergency management infrastructure*, will continually work to develop and implement an ever-evolving, comprehensive, secure and compatible system that empowers all levels of state, local, and tribal entities along with entities with key private assets and critical infrastructure to prepare, respond, mitigate, and recover from all manner of natural and technological emergencies and disasters.

To ensure continual evolution of the system, team members, partners, and stakeholders must internalize a progressive, open-minded approach that fosters creativity and seeks to draw on new and innovative concepts and technologies to further leverage the strengths of the existing system.

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## Project Pilot Team

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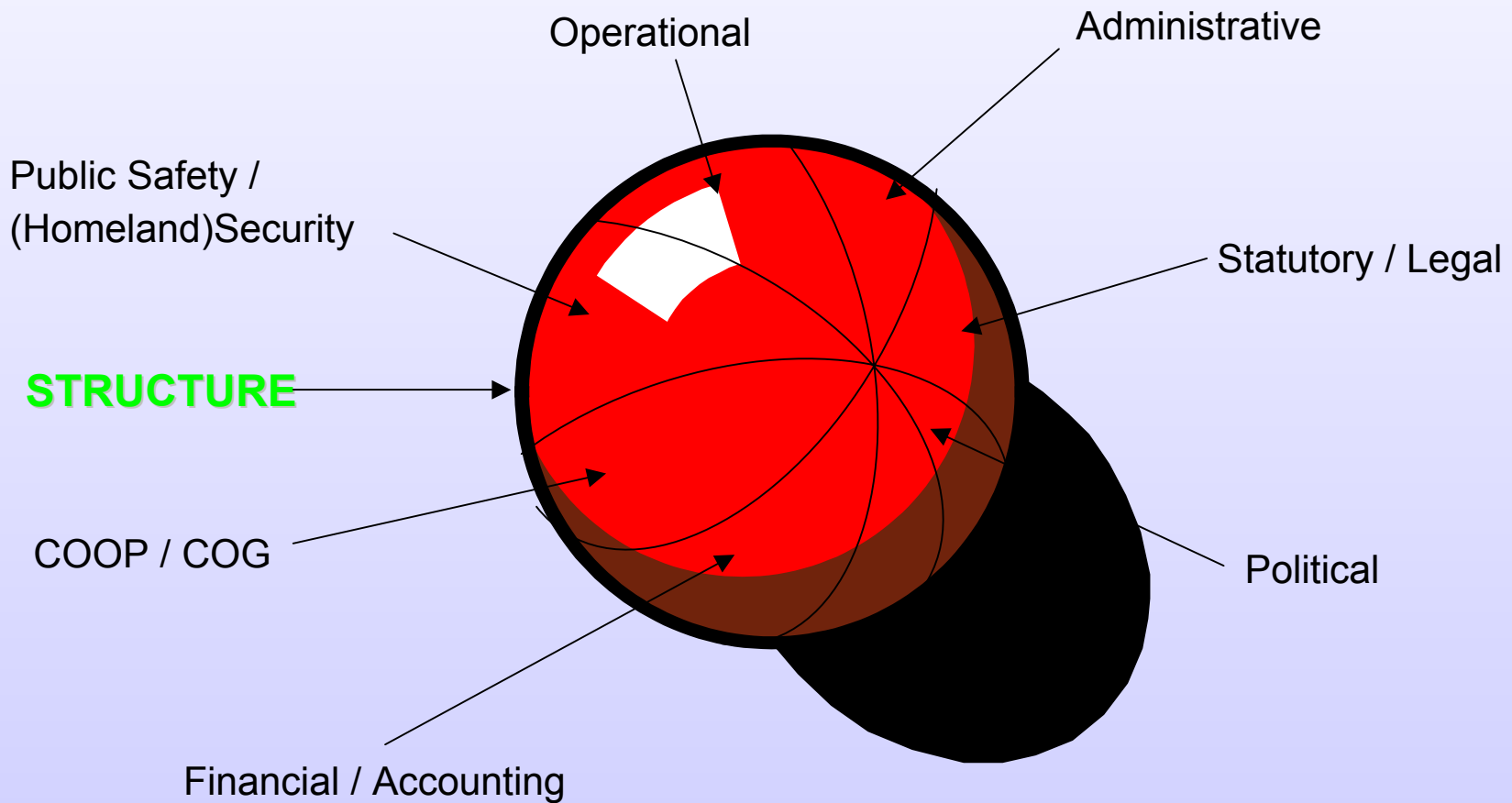
To ensure the new planning system can be implemented as envisioned, the State COG Team directed a Project Pilot Team be established to provide guidance across a wide spectrum of issues.

The Project Pilot Team will also be the first group of entities to receive training and to implement the LDRPS for their Continuity of Operations Plans. The results of this limited, highly controlled implementation will aid in the refinement of the system to ensure a highly successful statewide deployment in the future.



## What's In a Plan?

---







## Project Pilot Team

**Office of Management and Budget**  
**Risk Management (COG)**  
**Workforce Safety and Insurance**  
**Attorney General**  
**National Guard (Office of the Adjutant General)**  
**Division of Emergency Management (COG)**  
**NDSU, UND (NDUS)**  
**Highway Patrol (COG)**  
**Department of Transportation**  
**Department of Health (COG)**  
**State Water Commission**  
**Department of Human Services**  
**State Radio Communications**  
**Bank of North Dakota**  
**Information Technology Department (COG)**

### **Rationale**

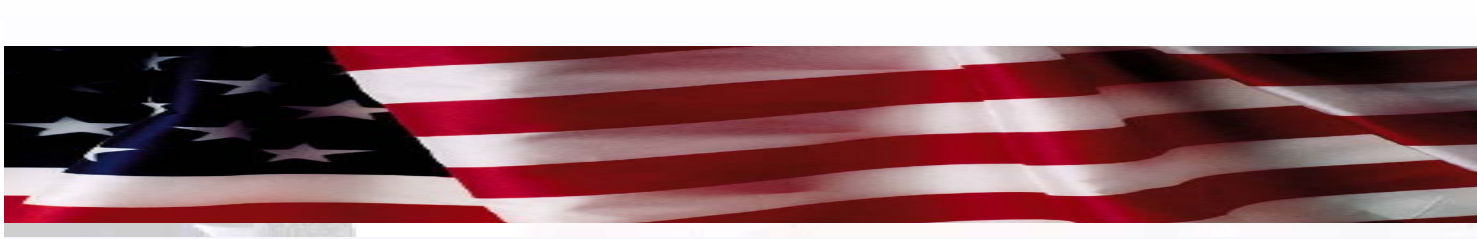
Large and Small Agencies  
Financial Expertise  
Legal & Security Acumen  
Complex Organization  
Infrastructure Concerns  
Personnel Concerns  
Public Concerns  
Private Concerns  
Information and Technology  
Unique Missions, Equipment,  
Terms  
Elected and Appointed



## **Creating the System and Plan Template**

---

- Entities Inventory Current Plans & Formalize Operations (Business Impact Analysis)
  - System Design
    - The Bookcase : Plan Structure / Hierarchy
    - The Lexicon: Common Terms
    - Security and Data Administration
    - Customize Input Screens, Plan Assistant, User Manual
  - Training, Exercises and Evaluation
  - Change Management
-



## What Will This Create?

---

Mismatched  
Parts...  
Thrown  
Together...



Abby Normal

---

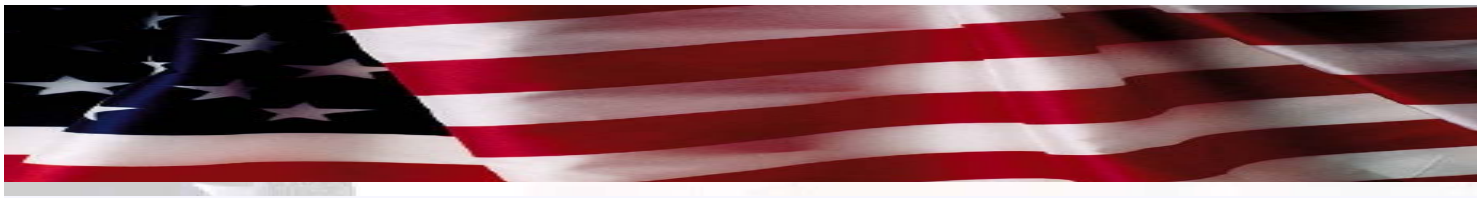


## Is this Big Brother?

---



- Ω **Data Administration Planning**
- Ω **Security Planning**
- Ω **Usable System**



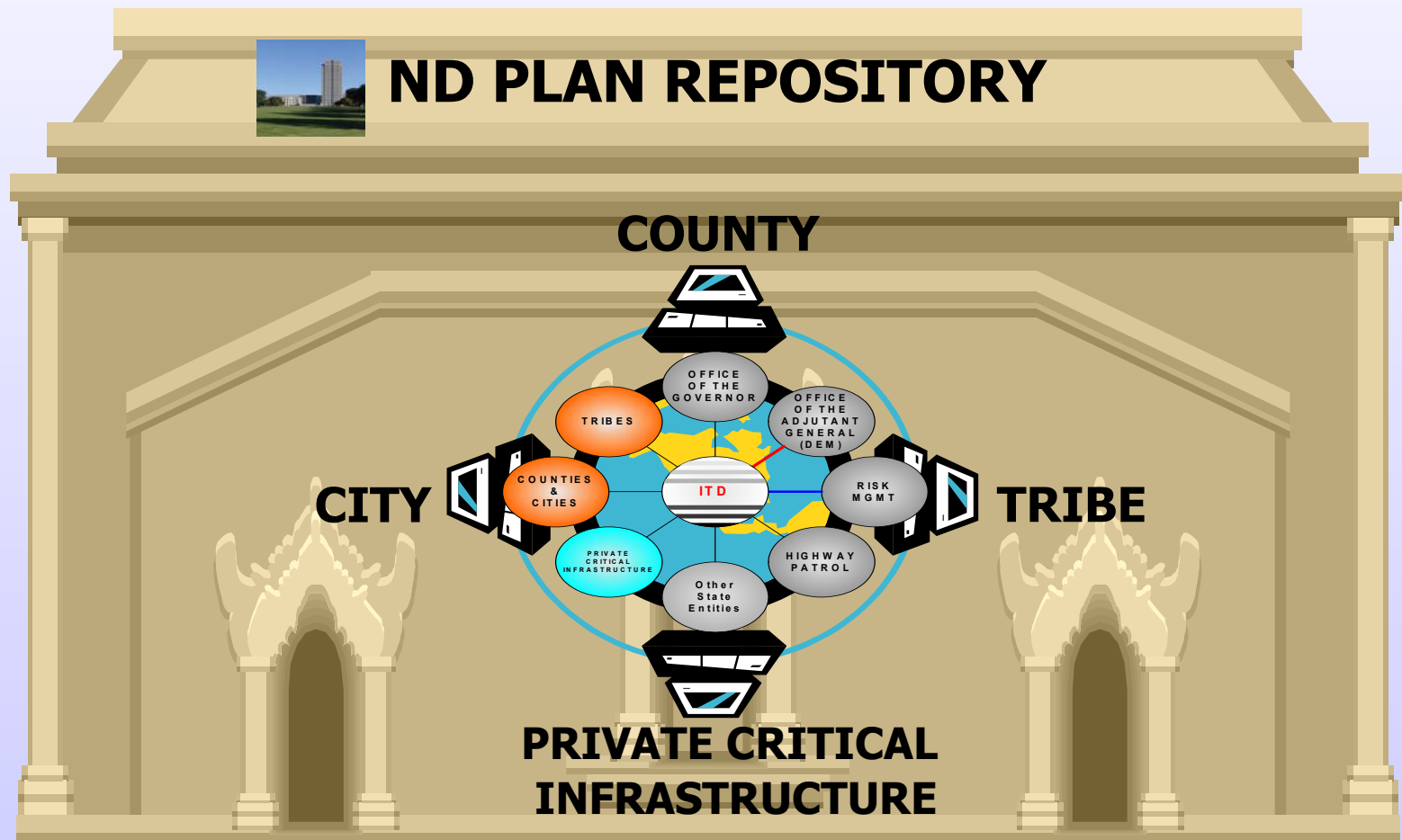
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“Recognize that our enemy is networked and can only be defeated by a networked system—therefore, homeland defense must resemble networked PCs rather than a mainframe computer.”

*--President Bush, Statewide Template Initiative*

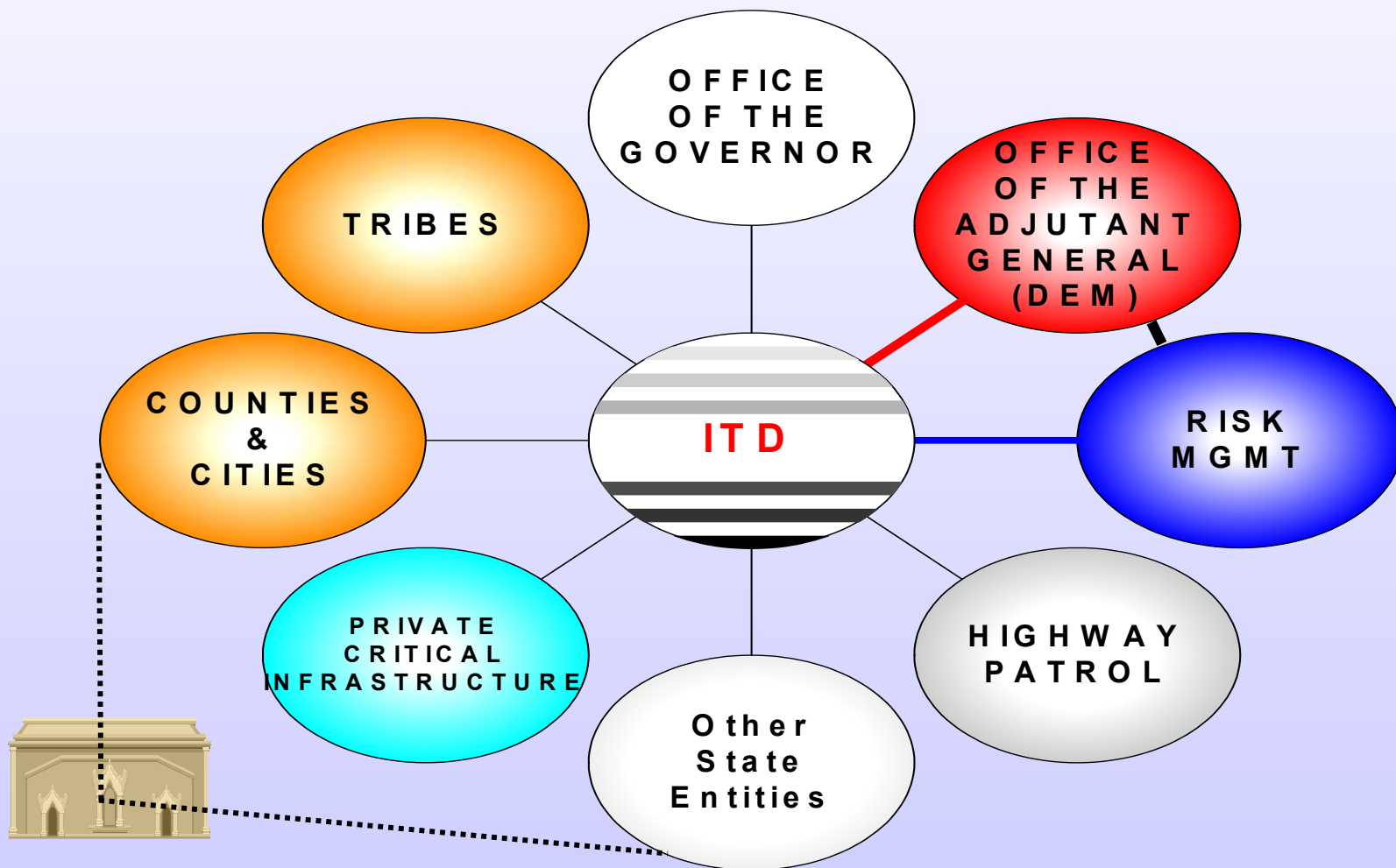


## What Will This Create?

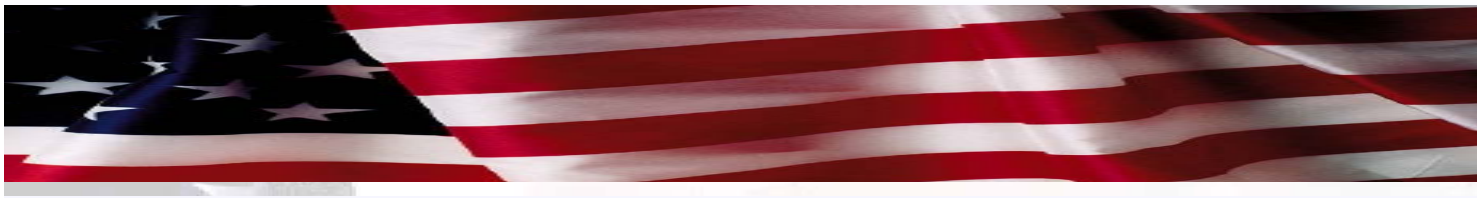




# The Functional Network

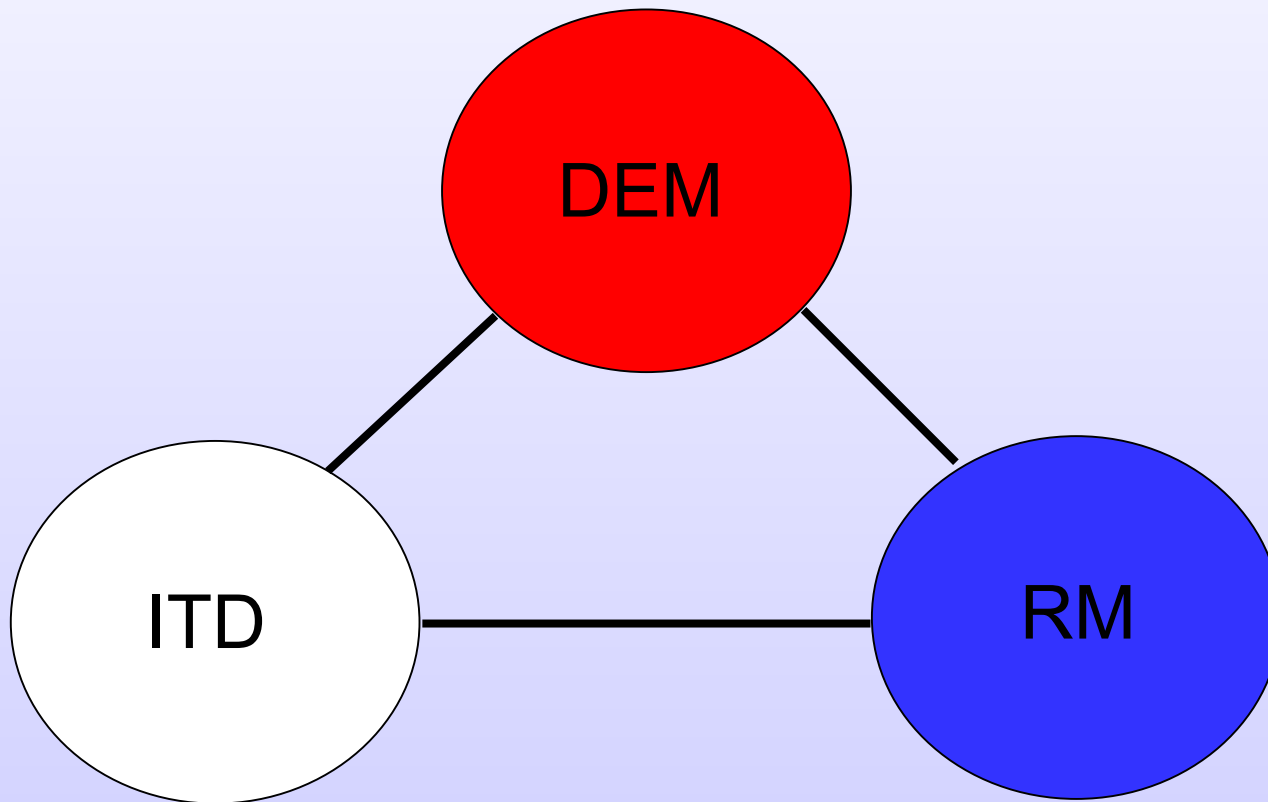






## The Project Core

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## Value-Added: Potential Systems Integration

**ND  
PLANNING  
SYSTEM**

**L  
D  
R  
P  
S**





## ...And How Does It Work?

---

All plans define relationships between these components:  
*(Who, What, When, Where, How and Why)*

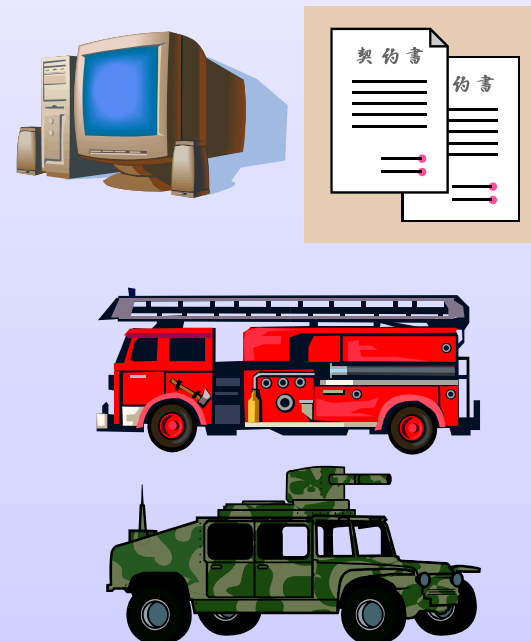
### People

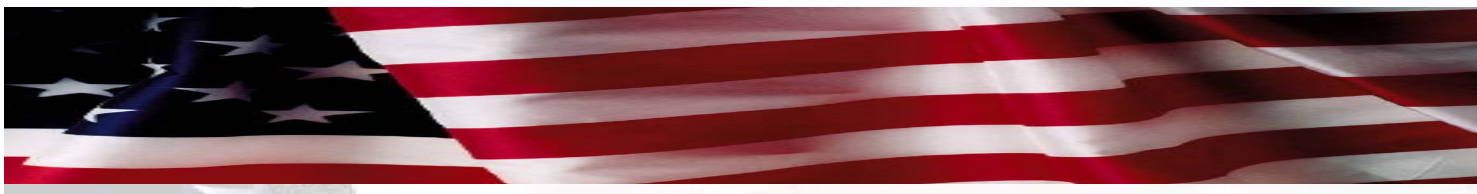


### Responsibilities



### Materials





## Relational Database

### EMPLOYEE TABLE

Employee ID Number	Employee Name	Department
EM1001	Anderson, John	A
EM1002	Brockovitch, Erin	A
EM1003	Carson, Johnny	B
EM1004	DeNiro, Robert	Q
EM1005	Einstein, Albert	N
EM1006	Foxworthy, Jeff	X

Foreign Key – Matches a Primary Key in Another Table

### DEPT. TABLE

Department	Description	Location
A	Design & Engineering	Modesto
B	Administration	Modesto
C	Construction - Electrical	Oakland
D	Construction - Structural	Monterrey
E	Human Resources	Palm Springs
F	Security	Las Vegas

Primary Key

(Makes the Record Unique)



# Living Disaster Recovery Planning System (LDRPS)

## Plan Data Summary

### Responsibilities

[Functions](#) (0), [Teams](#) (0), [Reporting Structure](#) (0)

### People

[Employees](#) (0), [Call Lists](#) (0), [Vendors](#) (0), [Customers](#) (0)

### Materials

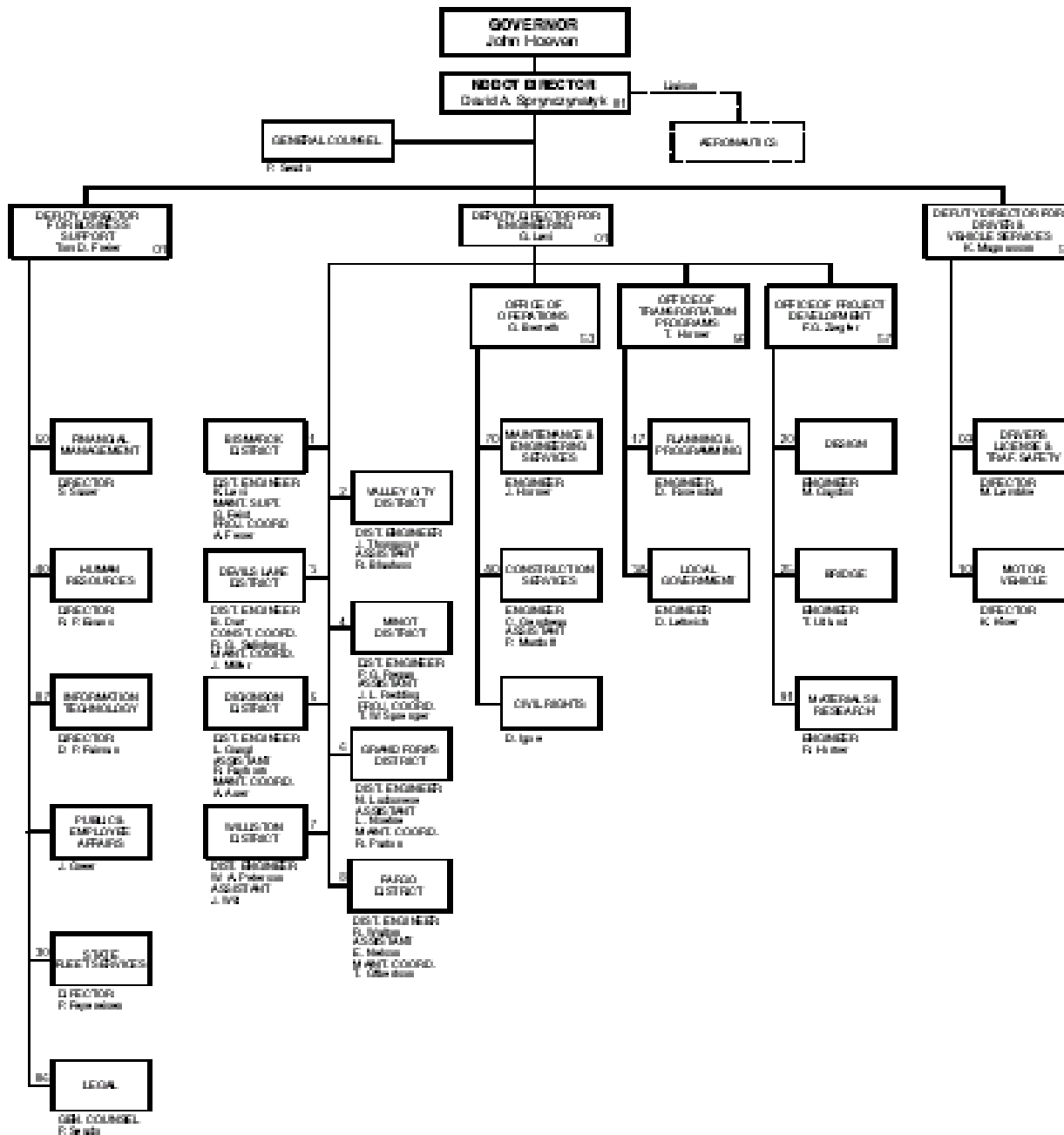
[Software](#) (0), [Equipment](#) (0), [Supplies](#) (0), [Telecom](#) (0), [Assets](#) (0), [Vital Records](#) (0)

### Miscellaneous

[Documents](#) (0), [Workstations](#) (0), [Locations](#) (0)

LDRPS Screen

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION  
ORGANIZATION CHART  
January 2, 2003



Plan  
Rollup

## Plan Manager



Edit Dictionaries

Build Plans

Manage Reports

Print Plans

## Plan Manager

- ND State Plans
  - 80160 - Department of Transportation
    - Business Support
      - Financial Management Division
      - Human Resources Division
      - Information Technology Division
      - Information Systems Services
        - Drivers License & Motor Vehicles
        - Engineering
      - Telecommunications Radio
      - Telecommunications Network
      - Legal
      - Public & Employee Affairs
      - State Fleet Services
    - Driver & Vehicle Services
  - Engineering
    - Bismarck District
    - Devils Lake District
  - Office of Operations
    - Maintenance & Engineering Services
    - Valley City District
- North Dakota County Plans
  - 01 - Adams County
    - Emergency Manager
      - LEOP
        - Coordination & Control Annex
        - Pre-disaster Mitigation Plan
      - Public Works
        - Snow Removal Plan
    - Sheriffs Department
    - Jail Policy Plan
- North Dakota City Plans

**PLAN  
ROLLUP**

Process ID	Plan Dictionary	Description
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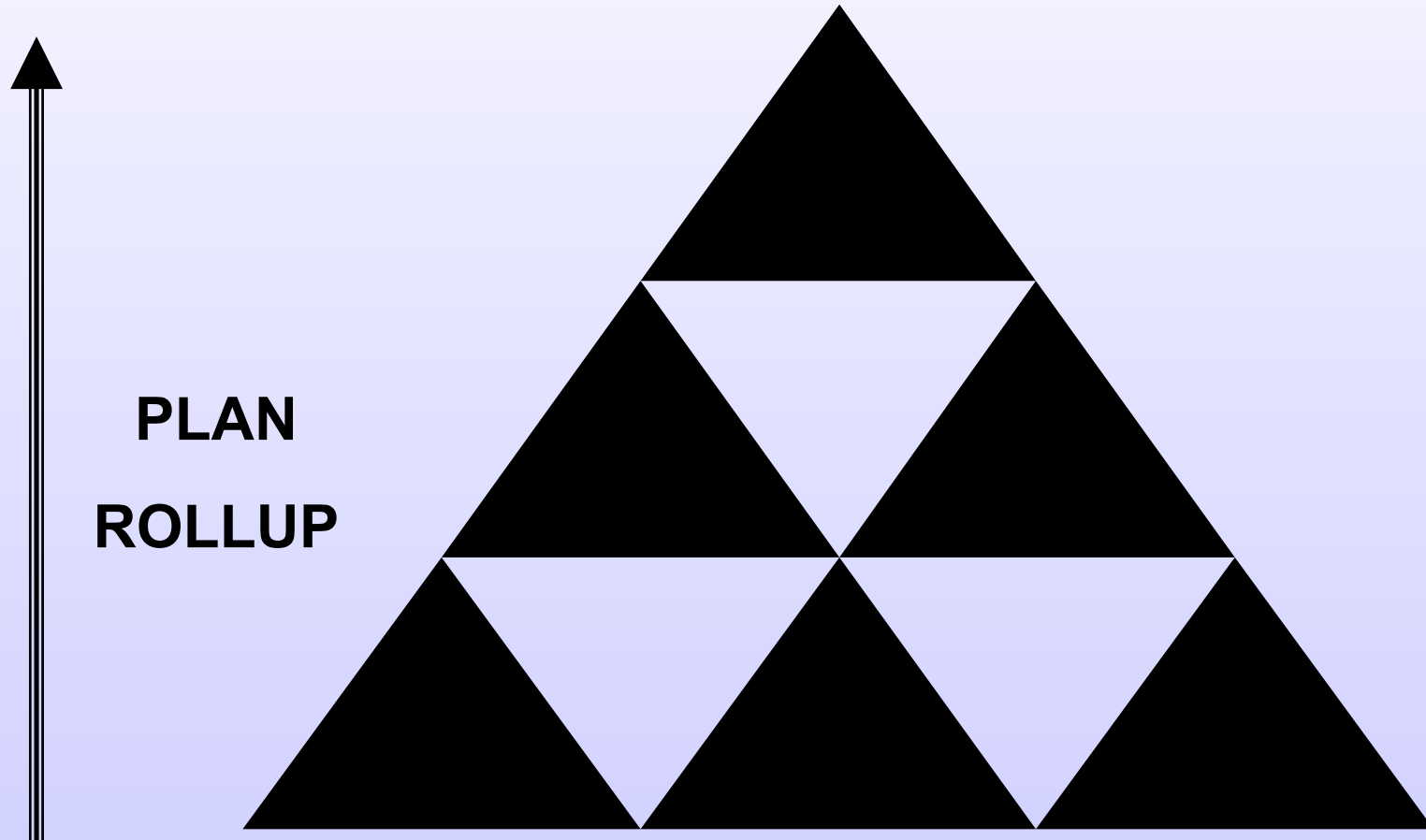
**ENTITY # - ENTITY NAME****1<sup>ST</sup> SUB-SECTION (e.g. DIVISION)****2<sup>ND</sup> SUB-SECTION (e.g. SECTION)****3<sup>rd</sup> SUB-SECTION**





## Build From the Bottom Up

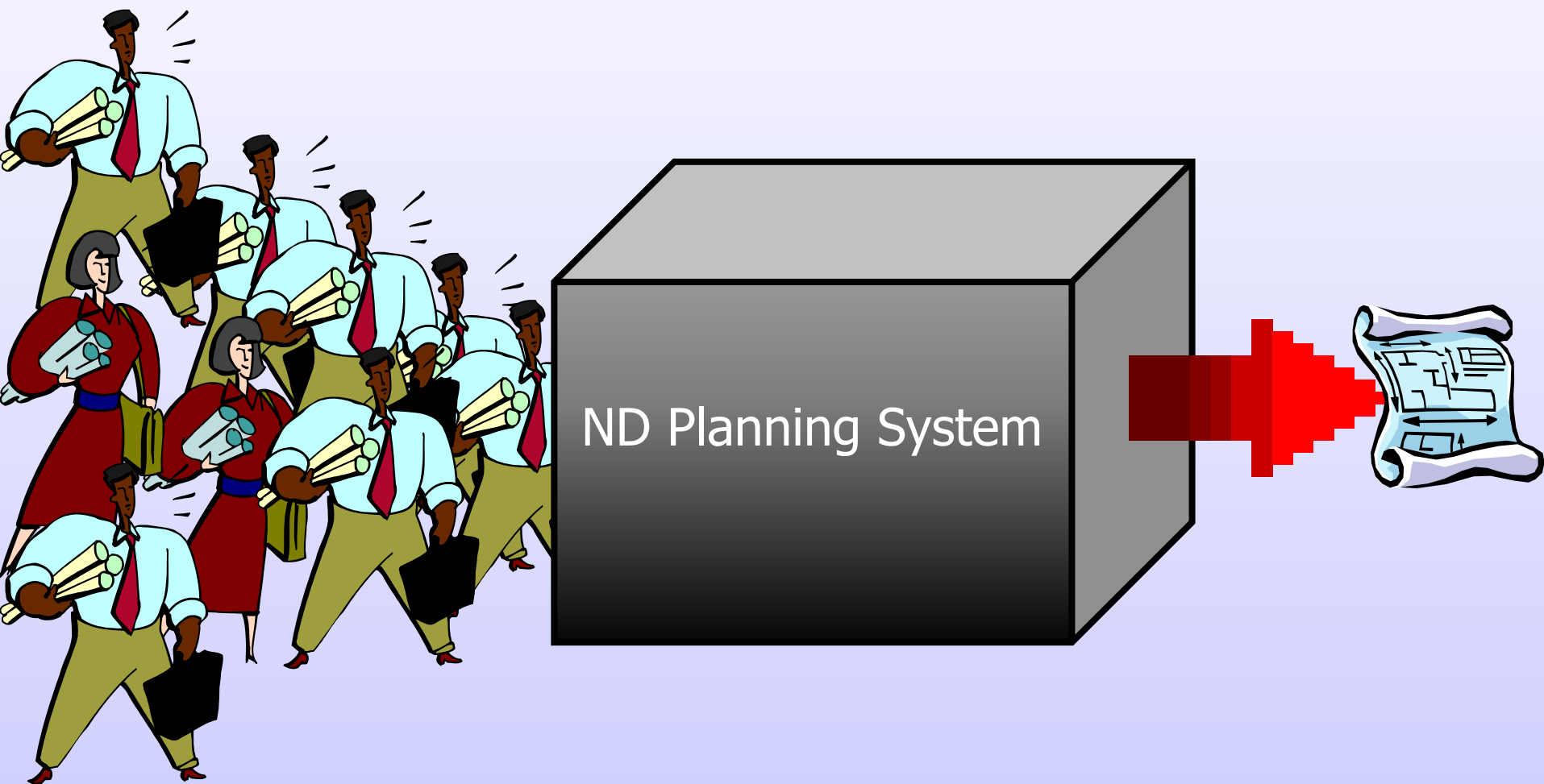
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## Plan Integration

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## What Will Change?

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### NO CHANGE

Plan: A method for achieving an end; Implies mental formulation and sometimes graphical representation.

Plan Components: People, Responsibilities, Materials/Resources

Recording Method: Microsoft Products (Word), AutoCAD, Etc.

### SUBSTANTIAL CHANGE

Strohl Systems Relational Database to **integrate** plans, plan components and recording methods into a networked, comprehensive system to “run” government.

---



## **Expected Benefits**

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- **Maximize collective efforts**
- **Empower state and local officials' [Homeland Security] efforts, leveraging existing [emergency preparedness and response] programs and capabilities to meet emerging [threats] needs**
- **Promote integrated and collective training, exercises, and evaluations**
- **Facilitate the adoption of best practices from other jurisdictions**
- **Enable government and private sector at all levels the ability to carry out its [Homeland Security] responsibilities**
- **Process matters—specific measures of performance in plans drive clarity, accountability and success.**



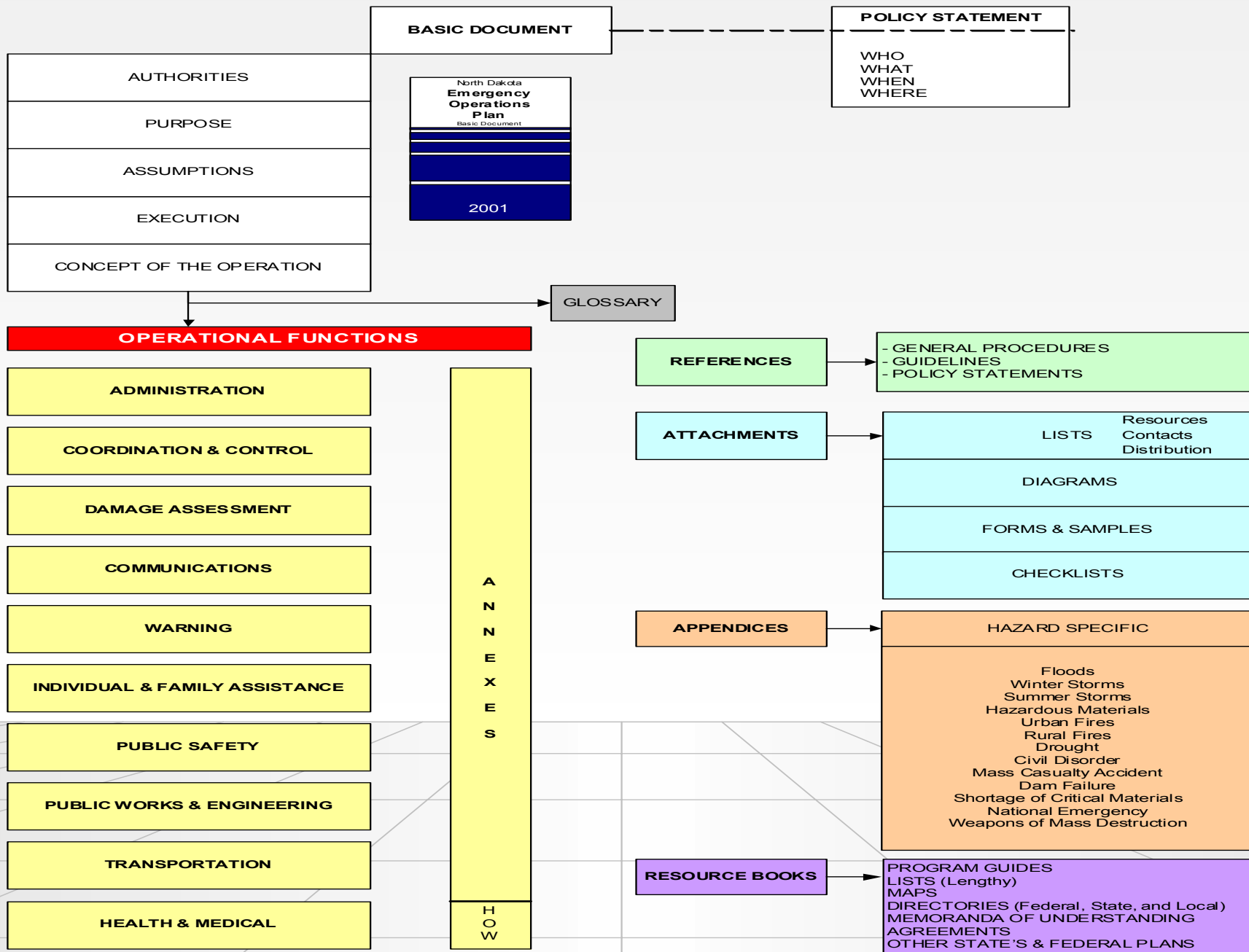
## Leveraging A Proven System

---

In the following slides the structure of the State Emergency Operations plan (SEOP) will be presented. The SEOP has been developed and refined over decades into the form you will see in a moment.

Our hope is to adopt or adapt this structure into the LDRPS environment. We envision the creation of a standardized planning system that uses terms universally accepted and understood for the myriad of entities that will interact with the new planning system.

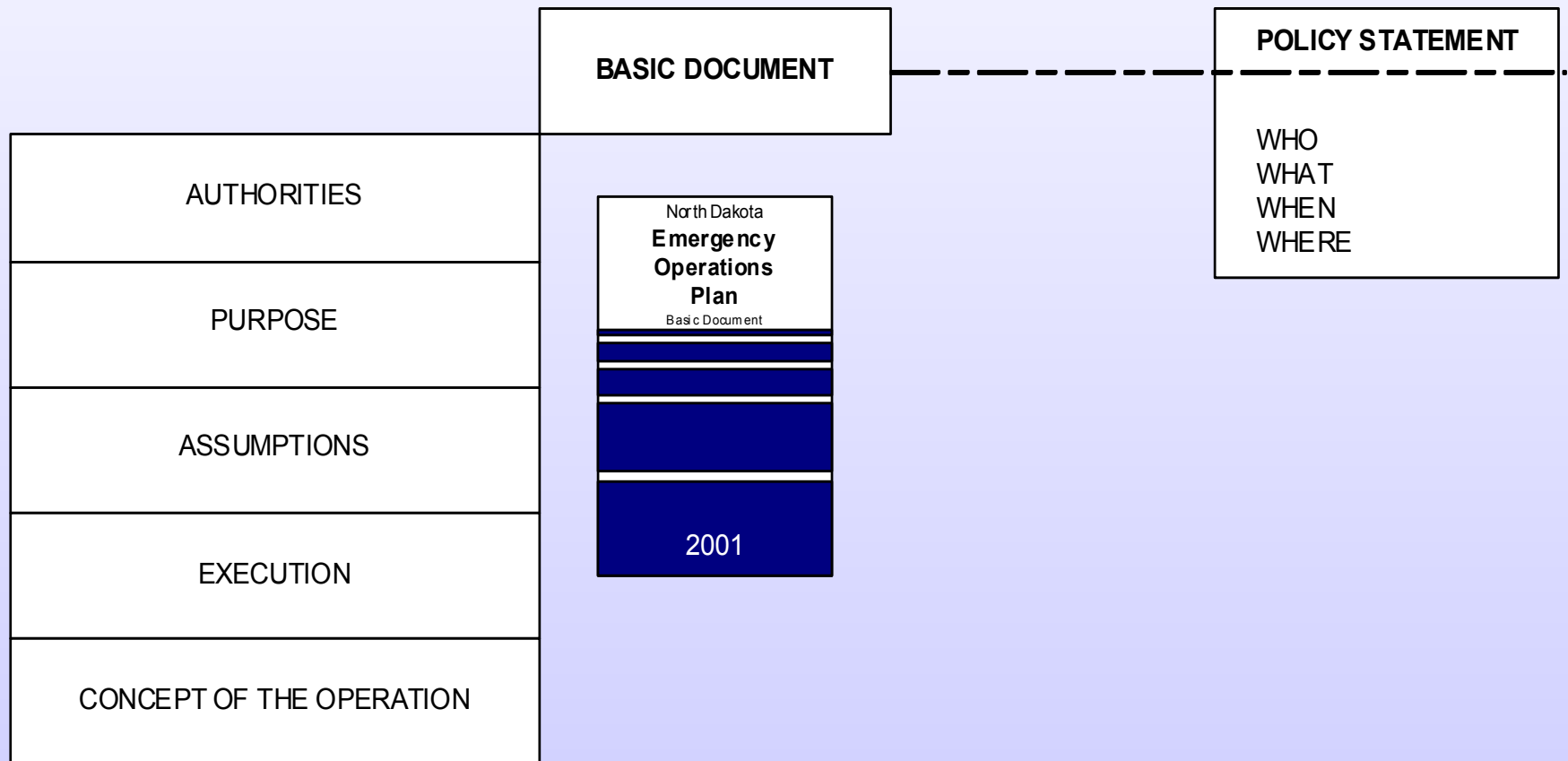
# NORTH DAKOTA EMERGENCY OPERATIONS PLAN DIAGRAM





## State Emergency Operations Plan - Basic Document

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## State Emergency Operations Plan - Annexes

---

**ADMINISTRATION**

**INDIVIDUAL & FAMILY ASSISTANCE**

**COORDINATION & CONTROL**

**PUBLIC SAFETY**

**DAMAGE ASSESSMENT**

**PUBLIC WORKS & ENGINEERING**

**COMMUNICATIONS**

**TRANSPORTATION**

**WARNING**

**HEALTH & MEDICAL**



## State Emergency Operations Plan

---

### **COORDINATION & CONTROL ANNEX**



*A copy of the State COG Plan will reside here*

REFERENCE "X" – ND Continuum of Government Plan



## Leveraging A Proven System

---

Now that you have a basic understanding of the SEOP structure, note how it might translate into the Strohl System LDRPS environment.

The next two slides are drafts of the plan hierarchy currently being considered for implementation.

In the first slide, note that the Division of Emergency Management structure shows how a state agency with multiple plan types might be organized.

In the second slide a possible county and city structure is shown.

To simplify plan rollup (consolidating plans from all levels into 1 plan), a common structure with common terms must be used for all entities.

---

## Plan Manager



Edit Dictionaries

Build Plans

Manage Reports

Print Plans



## Plan Manager

- North Dakota Plans 3
  - 1102 - Facility Management
    - Headquarters
      - Capitol Security Plan
      - Capitol Evacuation Plan
      - Tornado Plan
  - 504 - Highway Patrol
    - Dickinson District
      - Continuity of Operations Plan
      - Exercise and Training
      - Interstate Closure Plan
    - Williston District
      - Continuity of Operations Plan
      - DUI Plan
      - Exercise and Training
  - 512 - Division of Emergency Management
    - Headquarters
      - Continuity of Operations Plan
      - Emergency Alert System Plan
      - Hazard Mitigation
    - SEOP
      - Administration
      - Communications
      - Coordination and Control
      - Damage Assessment
      - Health and Medical
      - Individual and Family Assistance
      - Public Works and Engineering
      - Public Safety
      - Transportation
      - Warning
  - 801 - Department of Transportation

Process ID	Plan Dictionary	Description
------------	-----------------	-------------

ENTITY # - ENTITY NAME

DISTRICT / REGION / OFFICE

PLAN NAME

ANNEX NAMES

Functions Employees Vendors Cust

Show Dictionaries

Close

## Plan Manager



Edit Dictionaries

Build Plans

Manage Reports

Print Plans



## Plan Manager

- All Plans
  - North Dakota Plans
  - North Dakota Plans 2
  - North Dakota Plans 3
  - North Dakota County Plans
    - 01 - Adams County
      - Emergency Manager
        - LEOP
          - Coordination & Control Annex
          - Pre-disaster Mitigation Plan
        - Public Works
        - Snow Removal Plan
        - Sheriffs Department
        - Jail Policy Plan
    - North Dakota City Plans
      - 001-12345 - Hettinger
        - City Auditor
        - Payroll Plan
        - Public Works
        - Snow Removal Plan
    - State Emergency Ops Plan
    - Structure A
    - Structure B
    - Structure D
    - Structure E
    - Strohl Systems Implementation
    - Structure C

ENTITY # - ENTITY NAME

DISTRICT / REGION / OFFICE

PLAN NAME

ANNEX NAMES

Process ID Plan Dictionary Description

Functions Employees Vendors Custd

Show Dictionaries

Close



## Statement of Scope

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*“In the event of a disaster, whether it be natural or manmade, it is imperative that North Dakota State Government be prepared to respond, recover, and resume services quickly and efficiently. Accordingly, I am directing that all State agencies and facilities develop a business continuity/disaster recovery plan to recover from a disaster that would impact its ability to function.”*

*--Governor John Hoeven, July 2002*

Consistent with the Governor's Directive and our Vision Statement, the State Continuum of Government (COG) team shall focus its initial efforts on the development and implementation of state agency continuity of operations plans through the use of the Strohl Systems' Living Disaster Recovery Planning System (LDRPS).

These plans, using common terminology, structure, and basic methodology, shall be used in the creation of the North Dakota State Continuum of Government (COG) Plan.

The State COG Plan will formalize response, preparedness, mitigation and recovery measures to ensure the executive, legislative, and judicial branches of state government can function under all circumstances.

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## Continuum of Government: *DEFINITION*

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The preservation, maintenance, or reconstitution of civil government's ability to carryout the executive, legislative, and judicial processes under the threat or occurrence of any emergency condition that could disrupt such processes and services.





## Continuum of Operations: *DEFINITION*

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The ability to recover and provide service sufficient to meet the minimal needs of users of the system/agency. This ability to continue essential agency functions across a wide spectrum of emergencies will not necessarily limit COG functions.



## ND DEM COG / COOP Structure

